

## WHAT IS CLAIMED IS

1. An electrical connector comprising:
  - an insulation housing;
  - conductive terminals received and retained in the housing, each conductive terminal including a spring portion and a solder portion;
  - a plurality of first spring arms, each first spring arm including a mounting portion;
  - a plurality of second spring arms, each second spring arm including a mounting portion;
  - a circuit board provided with the electrical wiring which couples the first spring arms and second spring arms with the respective portions of a circuit on a main board;
  - a plurality of alignment portions disposed on the housing;
  - a plurality of aligning holes formed on the circuit board accommodating to the alignment portions;
  - a plurality of solder legs formed on the housing connecting the wiring of the circuit board with the main board;
  - a plurality of solder holes formed on the circuit board receiving the solder legs and soldered therewith; and
  - a multi-cards slot formed in the housing adapted to at least two types of flash memory cards;wherein conductive terminals, the first spring arms and second spring arms disposed on the lateral of the electrical connector and respectively adapted to a first type, a second type and a third type of flash memory cards.
2. The electrical connector as claimed in Claim 1, wherein the first type of flash memory card is the Smart Media card, the second type of flash memory card is the Memory Stick card and the third type of flash memory card is the Secured Digital card.
3. The electrical connector as claimed in Claim 1, wherein the first type of flash memory card is the Smart Media card, the second type of flash memory card is

the Memory Stick card and the third type of flash memory card is the MultiMedia Card.

4. The electrical connector as claimed in Claim 1, wherein the electrical connector further comprising a plurality of retaining portions fixed in the retaining notch of the housing for fastening the electrical connector on the predetermined position on the main board.